



Executive Boulevard Residential Roadway Resurfacing Project

Full-Width Roadway Micro-Surfacing to Begin Soon

PURPOSE

This newsletter is to inform you of the upcoming resurfacing of the Executive Boulevard. Please see the reverse side of this document for a map of the impacted area.

This pavement system preservation project employs long-term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and assures a system serviceable for many years.

BACKGROUND

The Montgomery County Department of Transportation, (MCDOT) Division of Highway Services (DHS) maintains nearly 5,200 lane miles of streets using various methods of routine maintenance, pavement restoration and repaving depending on the level of pavement deterioration present. A bi-annual survey, the last of which was completed in 2017, is conducted to assess the pavement condition of each road within the County. A Pavement Condition Index (PCI) is then calculated for each road segment. Using this PCI data, MCDOT determines the appropriate repair strategy for each road.

Most notably, crack seals, asphalt patching, micro resurfacing, and hot mix asphalt overlays are among pavement restoration options.



Typical survey paint markings

SCOPE OF PROJECT

MCDOT's most recent study finds that the overall condition of the pavement within the area has warranted an application of micro surfacing; which is designed to seal and preserve the pavement.

PROJECT WORK PLAN

Typically, the roadways are prepared prior to micro surfacing. Below is the overall scope of micro resurfacing projects:

1. Conduct survey - Identify areas of roadway in need of repair prior to resurfacing. You may notice paint markings that outline areas for pavement replacement, such as those shown in the picture to the left.

2. Crack Sealing - An additional step may be necessary to seal large cracks that may not require full depth patching. A flexible filler material is injected into the cracks and sealed with a special tool to prevent water infiltration into the pavement.



Example of completed patching

3. Full-Depth Permanent Patching - Areas of pavement distress are excavated and replaced with hot mix asphalt. This method is used in isolated areas where pavement failures extend through the road base.

There are two phases to full-depth patching: First, the pavement is excavated. Then, HMA base material is replaced in 2 layers and compacted. The patch is left below the existing road surface to allow room for a layer of smooth surface HMA to be applied at a later time (within a few days).

Second, the surface HMA is placed either by machine or by hand, depending on the size of the patch, into the depression left by the asphalt work. The asphalt is then compacted using a steel-wheeled roller. The final surface of the patch will match the level of the existing roadway and provide a smooth ride.

4. Micro Surfacing - The final step in the pavement preservation process is the application of the micro surfacing material. The material is uniformly machine applied and allowed to cure for several hours before opening to traffic. The micro surfacing material will cover the entire road surface, providing a uniform appearance and texture.



Typical micro-surfacing operation

Although some cracks may reappear after a year, the underlying crack seals prevent water from penetrating through the roadway.

5. Replace lane markings - Lane markings will be replaced within one to two weeks where they existed prior to the project.

SCHEDULE

This project is scheduled to begin in July of 2019 and will take three weeks to complete. Weather and operational requirements may affect the schedule. All work will be scheduled between the hours of 7 am and 5 pm, Monday through Friday.

IMPACTS

This project will necessitate No Parking restrictions within the construction zone. Approximately two days prior, No Parking signs will be placed along the roadway.



SHOULD THE POLICE TOW YOUR VEHICLE, CONTACT THE POLICE NON-EMERGENCY NUMBER (301-279-8000)

One-way traffic patterns will be used periodically and minor traffic delays may be experienced as flaggers manually direct traffic safely through the construction zone. Access to homes will be available at all times, however minor delays may be experienced.

Traffic will be restricted from driving on the micro surfacing material until it is fully cured, usually for 3-4 hours.

Driving on the freshly applied material will damage the material and may soil your vehicle and track onto your driveway. Orange traffic cones will be placed in the restricted lanes.

Thank you for your cooperation and patience as we work to improve the County infrastructure for residents and users!



MONTGOMERY COUNTY, MARYLAND

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY SERVICES

100 EDISON PARK DRIVE, 4TH FLOOR, GAITHERSBURG, MD 20878

240-777-ROAD (7623)

www.montgomerycountymd.gov/DOT-Highway/

KEEPING MONTGOMERY MOVING

MCDOT NEWS No. 2019.62

NOTICE OF EXECUTIVE BOULEVARD ROADWAY RESURFACING PROJECT

SAFETY NOTICE

Please drive gently and safely through the work site and kindly remember that while repair work is underway, personnel and construction vehicles will be moving around the site. Some materials may be stored in the area. Please use caution when walking or driving through the construction zone. Children may be attracted to the noise and machinery, so we ask that you please keep all children under close supervision at all times, even after the work is completed for the day. Also, please follow the direction of flagmen and temporary signs and traffic control devices. We appreciate your patience and cooperation while we make these much needed improvements to the infrastructure. *If, for some reason, you have a medical condition that could be potentially impacted by the construction activities, please alert the Project Manager listed below or Josh Faust, Public Outreach Manager, at 240-777-7642.*

DIVISION OF HIGHWAY SERVICES

Richard C. Dorsey
Division Chief

Randy Paugh, Chief
Pavement Management Section

Project Manager: James Schools-Bey 240-777-7630

Program Manager: Donald Noble 240-777-7601

Should your questions be of a more general nature, please contact the
MC311 Call Center by dialing 311 or 240-777-0311

DHS Email: mcdot.highway@montgomerycountymd.gov

DHS Website: www.montgomerycountymd.gov/DOT-Highway/

On the county map, click on the **Bethesda** Service Area, where you will
find additional roadway maintenance projects scheduled in your area.

